

EcovaPure™ PL-50



PRODUCT SPECIFICATION

Description

EcovaPure™ PL-50 is a premium egg yolk phospholipid concentrate, containing a minimum of 50% phospholipids. Our ahead-of-the-curve EcovaPure™ processing technology produces clean, high-quality egg yolk products efficiently and at lower costs than standard methods. Ecovatec's processing meets consumer preferences for natural egg proteins and lipids that aren't contaminated and denatured by harsh solvents. Ecovatec's phospholipids are extracted from 100% pasteurized egg yolk from Canadian egg producers, located near quality grain sources.

Applications

Egg phospholipids contain a high percentage of phosphatidylcholine, making it an excellent ingredient in nutraceutical products. The phospholipids, proteins, and fatty acids in PL-50 give it a unique advantage when used in cosmetics. It is moisturizing, anti-inflammatory, non-greasy, and can deliver cosmetic active ingredients further into the skin. In addition, it is also great emulsifier and binder in cosmetics, nutraceuticals, and foods.

Shipping Information

Source: 100% Pasteurized Canadian Egg Yolk
Appearance: Viscous Brown-Orange Paste
CAS No. 93685-90-6
HS Code: 2923.20.00
INCI No: 4649

Specifications

Phospholipids 50%
Phosphatidylcholine 42.0%
Phosphatidylethanolamine 6.1%
Others 1.9%

Test Items	Specifications	Analytical Values	Method
Appearance/Color	Brown-Orange	Passed	Visual
Appearance/Form	Viscous paste having characteristic odor	Passed	Visual
Total PL	> 50 %	57.4 %	ICPMS
Loss on Drying	< 10 %	2.6 %	AOAC 935.29
Acid Value*	NMT 20	14.1	AOCS Ca 5a-40
Iodine Value*	65-85	73.5	AOCS Cd 1d-92
Peroxide Value*	NMT 5.0 meq/kg	0.6 meq/kg	AOCS Cd 8b-90
Heavy Metals*- As, Hg, Pb, Cd	NMT 10 ppm	NMT 0.2 ppm	ICPMS
Aerobic Plate Counts	NMT 1,000 cfu/g	NTM 5 cfu/g	MFHPB-18
Coliform	Not Detected	Not Detected	MFHPB-34
Salmonella	Not Detected	Not Detected	MFHPB-20
E. Coli	Not Detected	Not Detected	MFHPB-34

* Tests are not conducted per lot.

Packaging and Storage

Packaging: Available in 1 kg vacuum sealed bags (10 bags per box)
Storage: Keep refrigerated: between 1 and 4°C
Expiry: 2 years from manufacturing date*

* (from manufacturing date – unopened and stored at recommended specs; shelf-life testing is on-going)

Inspired Functional Ingredients
to Innovate and Differentiate your brand
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